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6253 Dougherty Rd #1305
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EDUCATION

Brandeis University, Waltham, MA
MA Computer Science, December 2014, GPA 3.75, Merit Scholarship

Earlham College, Richmond, IN
BA Mathematics, May 2012, GPA 3.63

COMPUTER SKILLS

Languages: Java, Javascript(JQuery and NodeJS), PHP, Python, HTML5, CSS3
Databases: MySQL, PostgreSQL, MongoDB
MVCs: SailsJS, Django
Frameworks: Hadoop
Version Control: Git, Subversion

EXPERIENCE

Web Developer - Front-End and Back-End Jan 2014 to Present
Self Employed, Waltham, MA

- Develop websites and web apps using SailsJS(MVC), Wordpress, Javascript, PHP, Twitter Bootstrap, HTML5, and CSS3.
  - PHP, Javascript, and MySQL - www.heavythenlight.com
  - Wordpress - http://johnsonservicecorps.org, http://hgarchives.org/
  - SailsJS and MongoDB - Web application, NextUp - not online
  - Front-End Development with Template - www.golunchbox.club

Software Engineer Summer 2014
UNC Chapel Hill, Computer Science Department, Chapel Hill, NC

- Developed an interactive teaching tool using MongoDB and SailsJS - an MVC written in NodeJS and Javascript.

Contracted Staff Summers 2013-2014
Paid Intern Summers 2011-2012
Shodor Foundation (for computational science education), Durham, NC

- Wrote automated testing scripts for interactive online applications using Selenium Driver and Selenium JS.
- Organized and co-taught workshops for professionals and students in Javascript and IPhone programming, and computer modeling.

Training Program Administrator Aug 2012 to June 2013
Durham Economic Resource Center, Durham, NC

- Supervised trainees in a job-training program for the chronically unemployed.
- Maintained a database and related documentation of trainees' progress.

GRADUATE COURSE WORK

Statistics of Natural Language Processing (Fall 2014):
Implemented a multinomial Naive Bayes classifier in Python

Big Data Analysis (Fall 2014)
Created inverted indices of the tokens in 46GB of Wikipedia articles using Hadoop Mapreduce.

Distributed Systems(Spring 2014)
Implemented fault tolerant distributed system algorithms including the Primary/Backup scheme and Paxos in Go.

Databases(Spring 2014)
Implemented search, insertion, and deletion for B+ trees in Java.